

Serial No.: 10/527,417
Examiner: Jonathan M. Foreman
Reply to Final Office Action dated November 20, 2009
Page 2 of 9

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CENTRAL FAX CENTER

AMENDMENTS TO THE CLAIMS

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This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (Currently Amended) A medical guide wire in which at least a fluororesin coating layer is formed on a surface of a metal wire,
wherein the metal wire has a uniform thickness or a tapered tip;
wherein a particulate matter of fluororesin is present in the fluororesin coating layer, and the fluororesin coating layer and the particulate matter of fluororesin are baked as a single unit at at least a melting point of the fluororesin coating layer; and
wherein the fluororesin coating layer is an outermost layer that covers the particulate matter, and at least some of the particulate matter is formed in surface protrusion-shaped smooth projections, ~~so that frictional resistance to a resin tube that comes into contact with the projections is reduced.~~
2. (Currently Amended) The medical guide wire according to claim 1,
wherein a primer layer is further formed within the fluororesin coating layer;
wherein the particulate matter of fluororesin is present in at least one layer selected from the primer layer and the fluororesin coating layer; and
wherein the fluororesin coating layer of the outermost layer covers the particulate matter and at least some of the particulate matter is formed in surface protrusion-shaped projections.
3. (Canceled)
4. (Previously Presented) The medical guide wire according to claim 1 ,
wherein the fluororesin coating layer and the particulate matter include at least one selected from the group consisting of polytetrafluoroethylene (PTFE), tetrafluoroethylene-perfluoroalkylvinyl ether copolymer (PFA), polychlorotrifluoroethylene (PCTFE),

Serial No.: 10/527,417
Examiner: Jonathan M. Foreman
Reply to Final Office Action dated November 20, 2009
Page 3 of 9

polyvinylidene fluoride (PVDF), polyvinyl fluoride (PVF), tetrafluoroethylene-hexafluoropropylene copolymer (FEP), and tetrafluoroethylene-ethylene copolymer (PETFE).

5. (Previously Presented) The medical guide wire according to claim 1,
wherein the thickness of the fluororesin coating layer is at least 1 μm and not more than 50 μm .
6. (Original) The medical guide wire according to claim 1,
wherein the average height of the projections is at least 0.1 μm and not more than 20 μm .
7. (Original) The medical guide wire according to claim 1,
wherein the fluororesin coating layer surface has a mixture of flat portions and numerous protrusion-shaped projections.
8. (Previously Presented) The medical guide wire according to claim 1,
wherein the density of the protrusion-shaped projections is at least an average of 1 per 0.01 mm^2 .
- 9-10. (Canceled)
11. (Currently Amended) The medical guide wire according to claim 2 [[9]],
wherein an average particle diameter of the particulate matter is at least the film thickness of the primer layer, and the average particle diameter is in a range of 0.5 to 30 μm .
- 12-18. (Canceled)